



SÉCURITÉ RESEAUX



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ENGROS



ARP

Un protocole en roue libre qui balance un message à tout le réseau : "QUI A CETTE IP ?", puis fait aveuglément confiance au premier mytho qui répond.



VLAN

Un protocole qui adore la ségrégation : même réseau, mêmes câbles, mais chacun dans son coin, parce que "se mélanger, c'est dangereux".



ACL

Un pare-feu low-cost écrit en dur, impossible à lire, impossible à maintenir, et responsable de 90 % des "ça marchait hier".



VPN

Je sais que vous savez ce que c'est, bande de petits coquins.



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ADDRESS RESOLUTION PROTOCOL

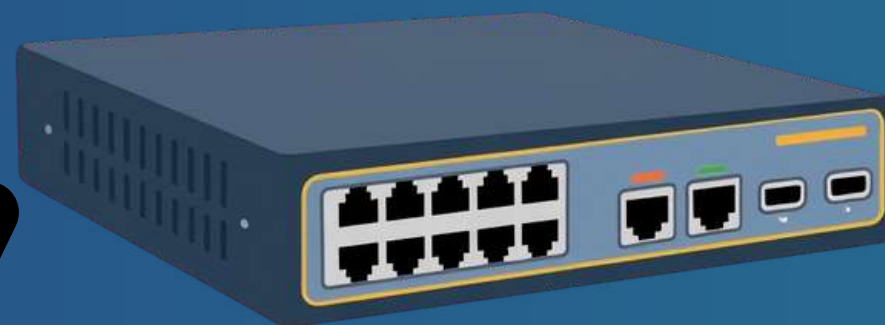


DÉFINI EN 1982
28 OCTETS



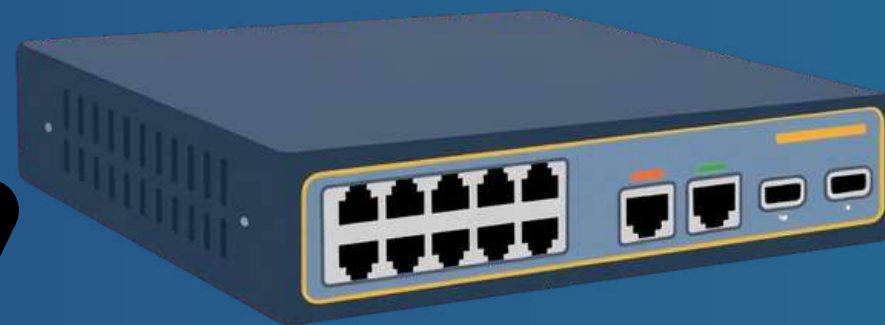
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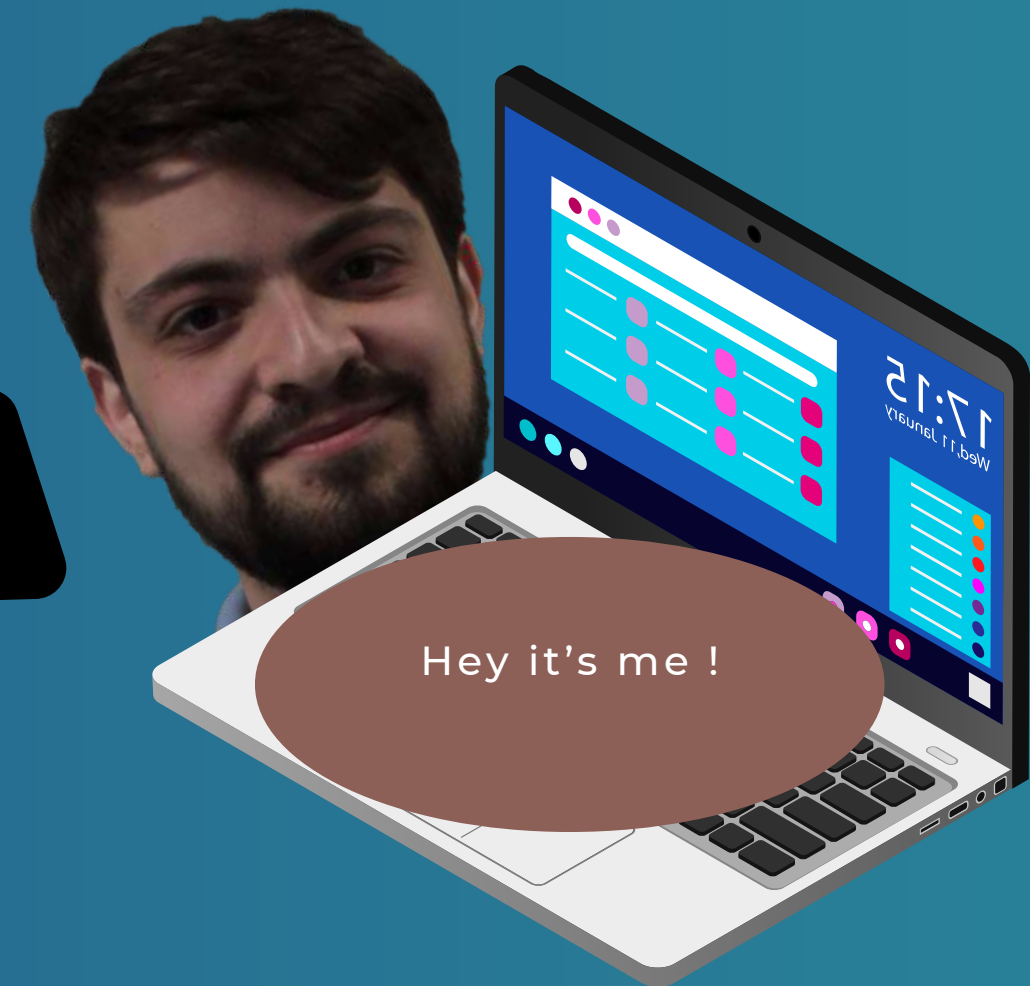
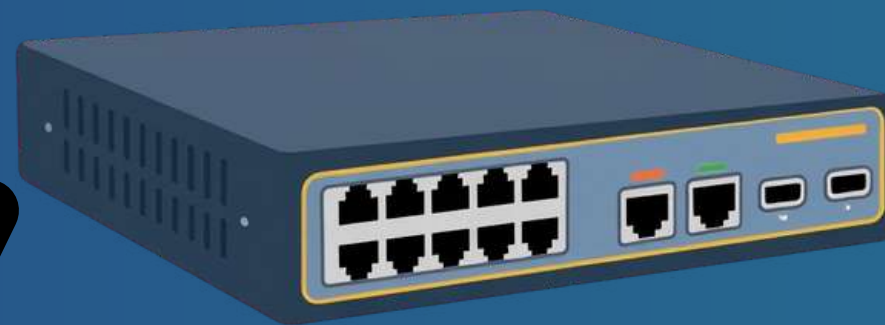
192.168.0.2

192.168.0.3



192.168.0.2

192.168.0.3

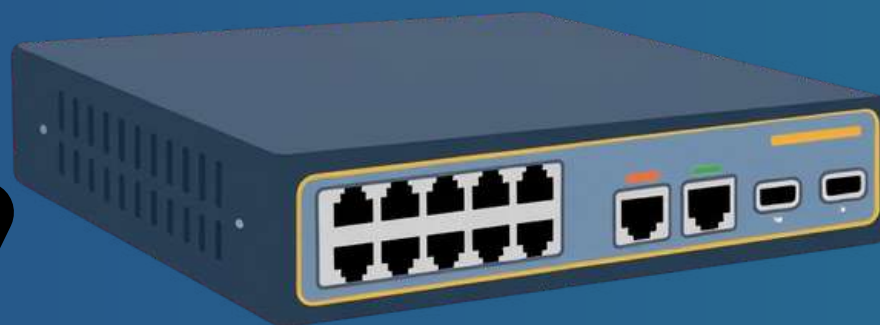


192.168.0.2

192.168.0.3



192.168.0.2



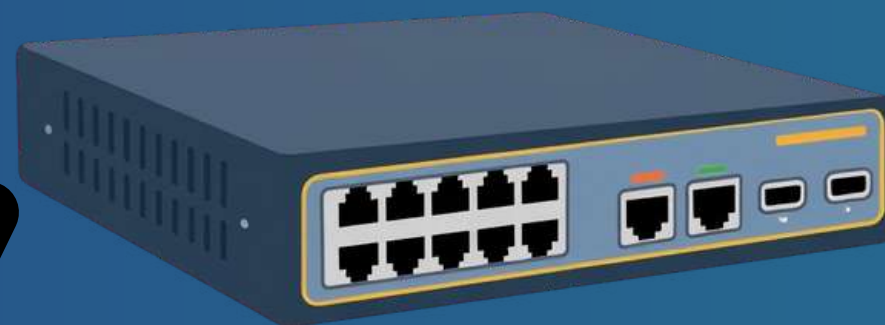
192.168.0.3

IP	MAC
x.x.x.x	aa:aa:aa:aa:aa
x.x.x.x	aa:aa:aa:aa:aa
x.x.x.x	aa:aa:aa:aa:aa
x.x.x.x	aa:aa:aa:aa:aa



192.168.0.2

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192.168.0.3



ADDRESS RESOLUTION PROTOCOL

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C'EST PAS COOL
D'ÊTRE MÉCHANT



DYNAMIC ARP
INSPECTION



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ADDRESS RESOLUTION PROTOCOL

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ADDRESS RESOLUTION PROTOCOL

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ADDRESS RESOLUTION PROTOCOL

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DAI



DHCP

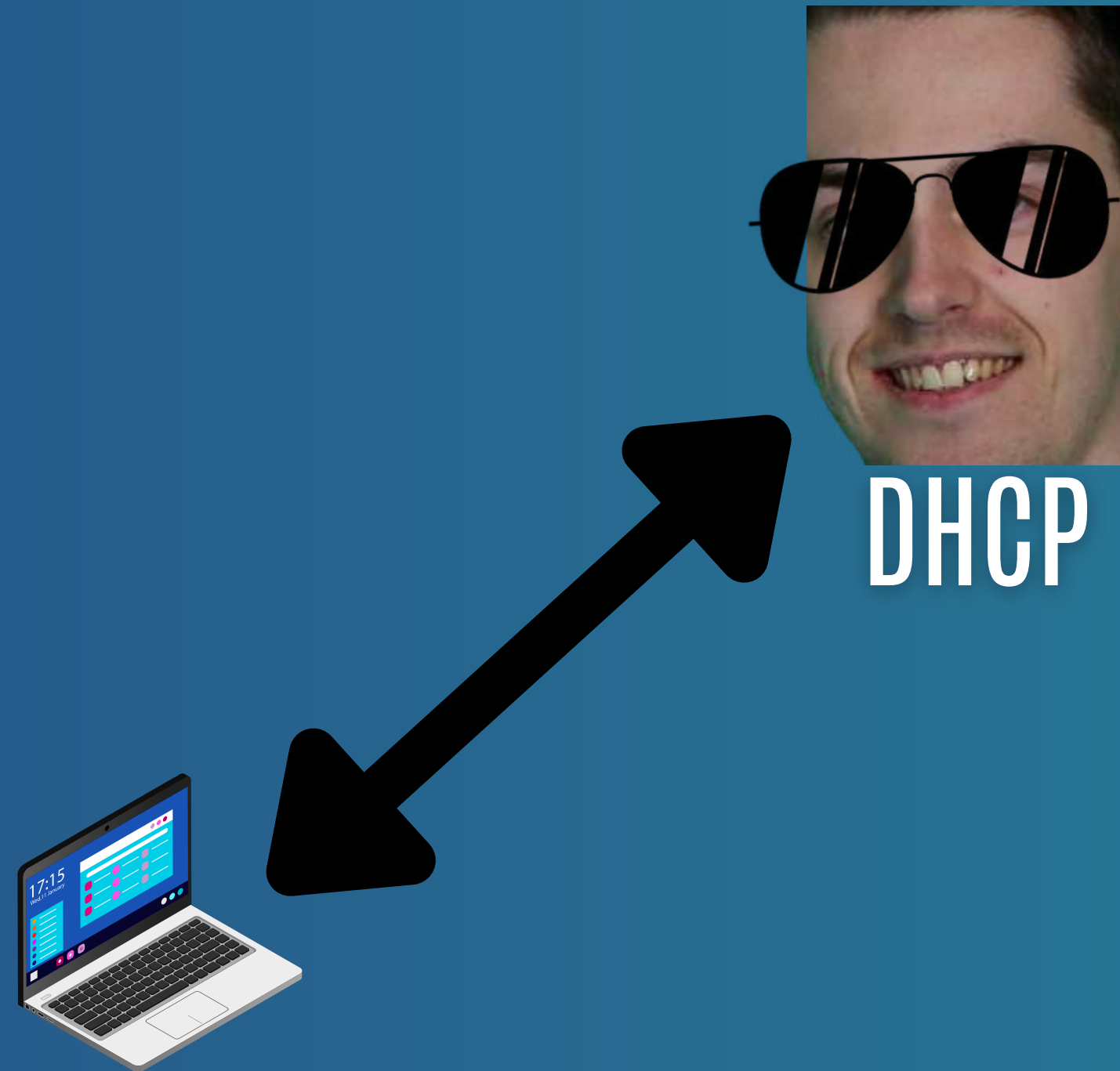


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ADDRESS RESOLUTION PROTOCOL

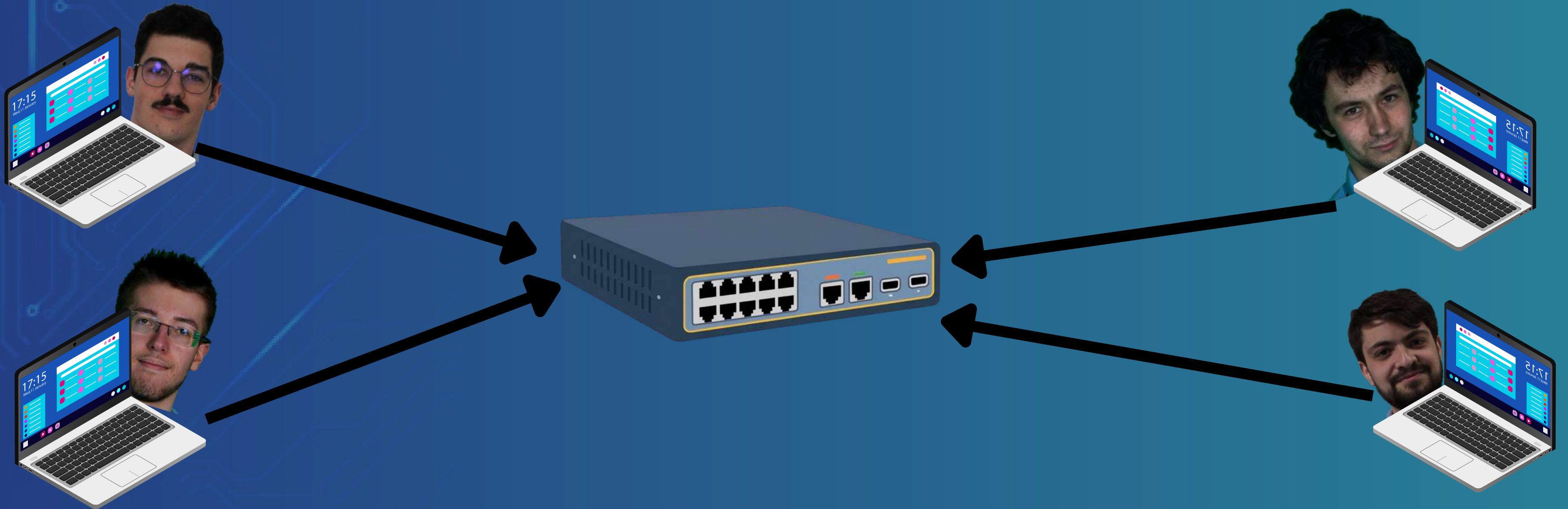
4/15



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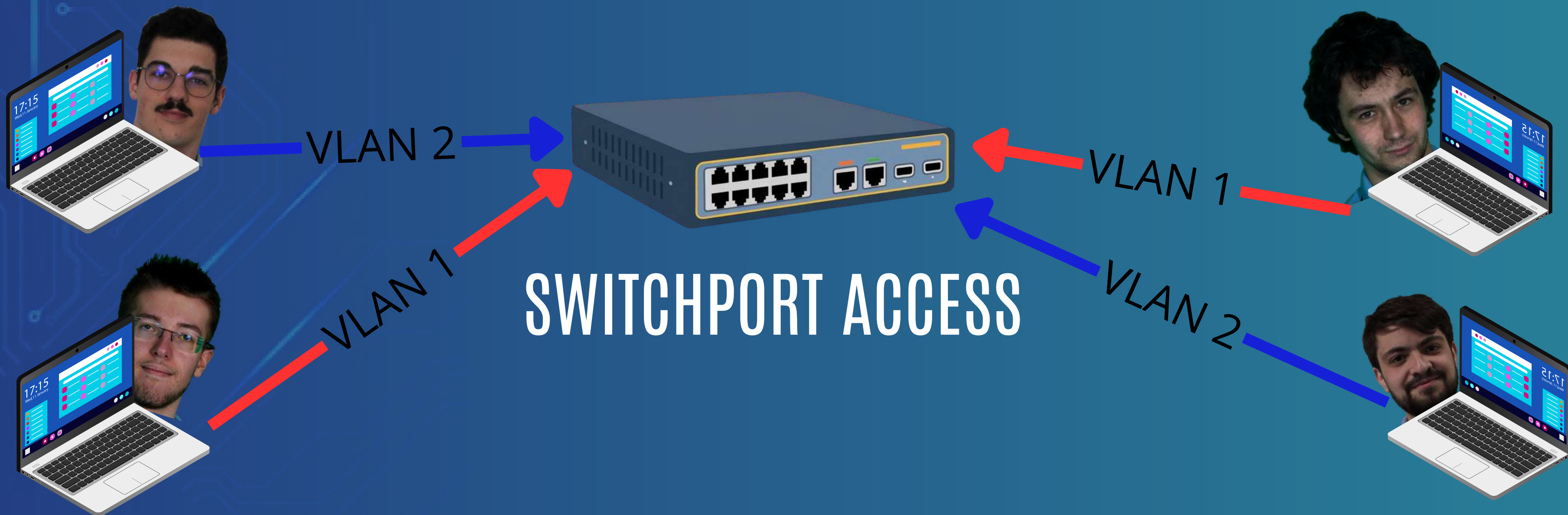
VLAN



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VLAN

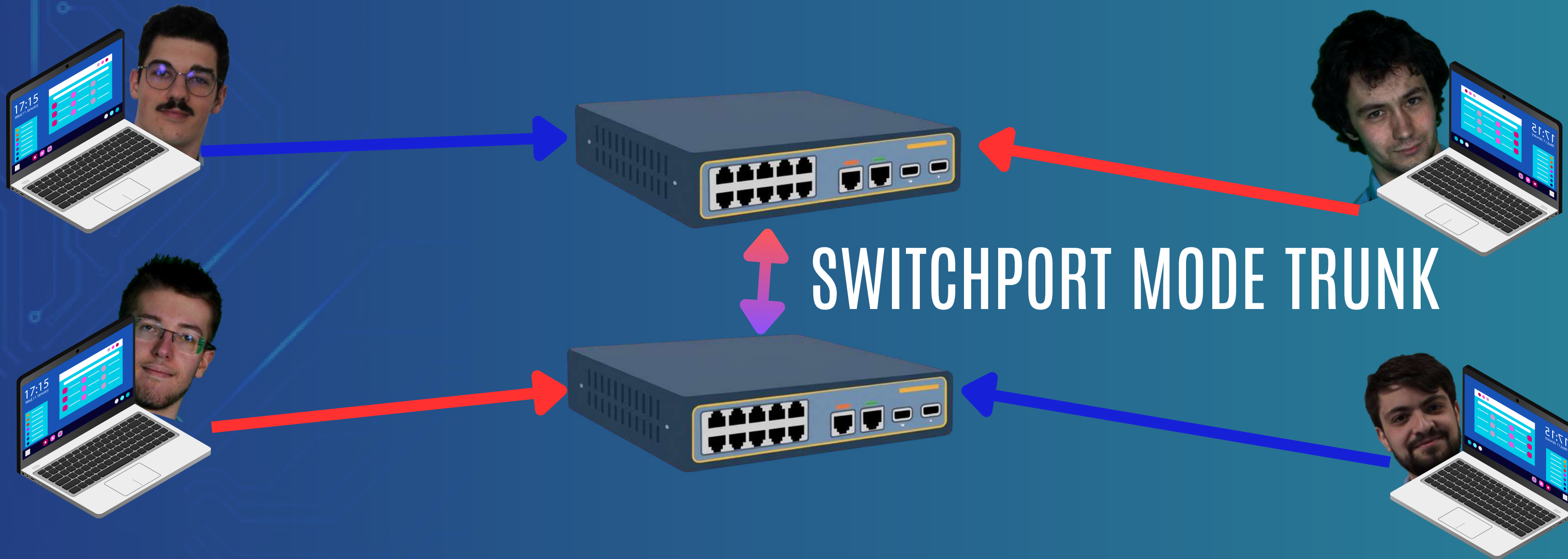


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VLAN

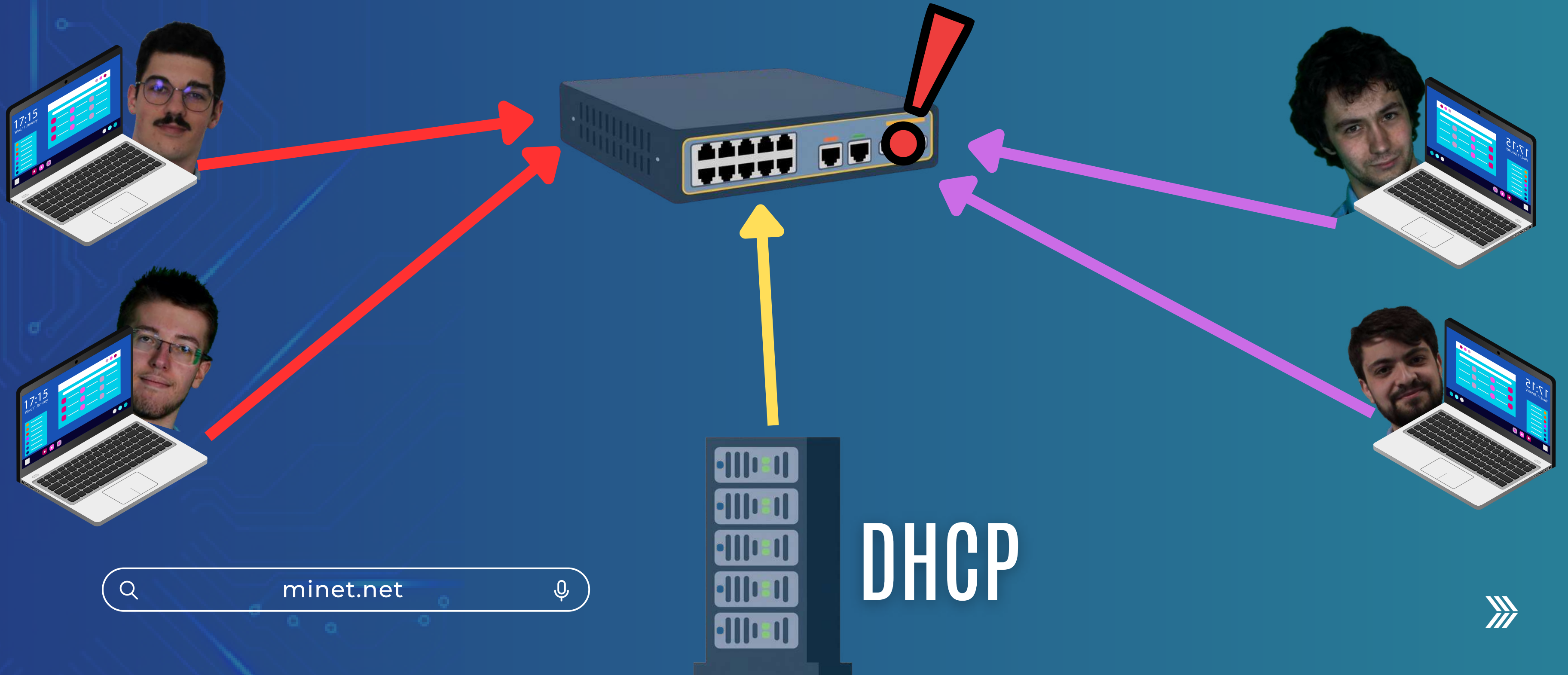
SWITCHPORT MODE TRUNK



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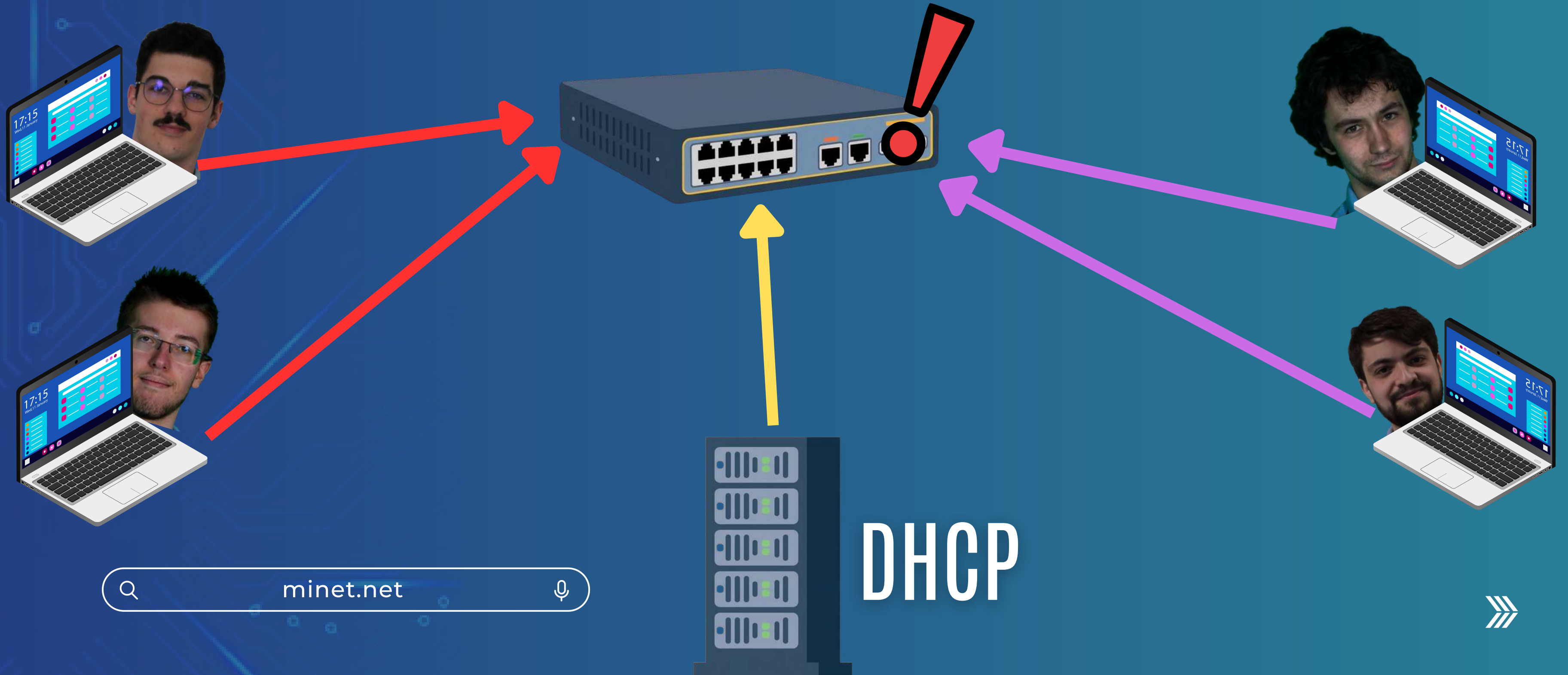


VLAN



DHCP

VLAN



DHCP



ACL



```
ACCESS-LIST 100 PERMIT TCP ANY ANY EQ 80  
ACCESS-LIST 100 PERMIT TCP ANY ANY EQ 443  
ACCESS-LIST 100 DENY IP ANY ANY
```



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POLICY-MAP



```
policy-map ANTI_DDOS
class ICMP_TRAFFIC
  police 128000 conform-action transmit exceed-action drop

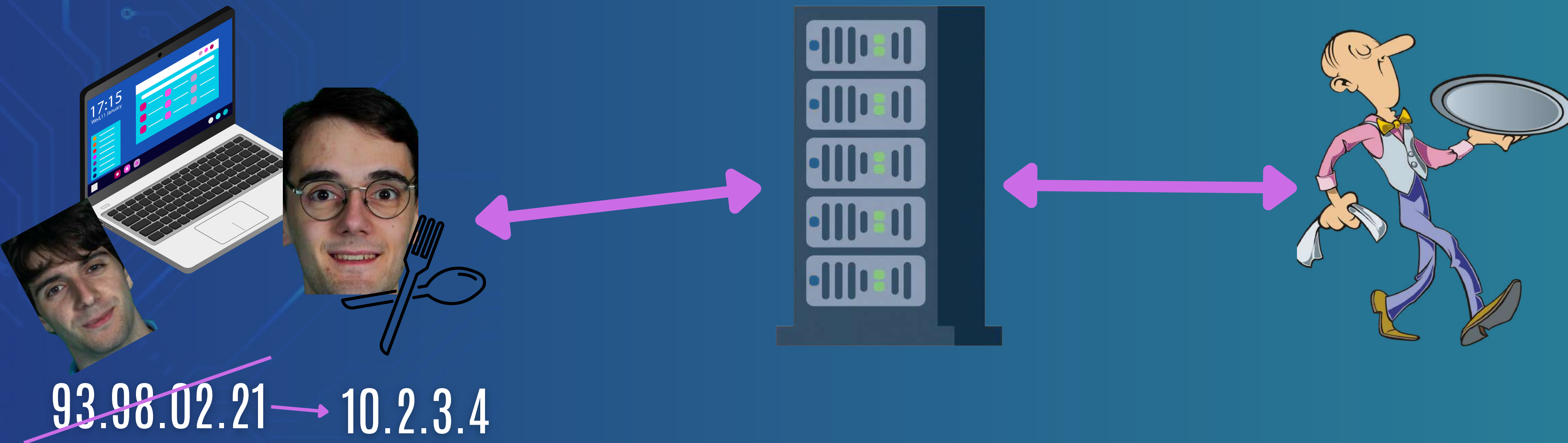
class TCP_SYN_TRAFFIC
  police 256000 conform-action transmit exceed-action drop

class class-default
  fair-queue
```



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VRAIMENT SAFE ?



PETIT TEST ?

